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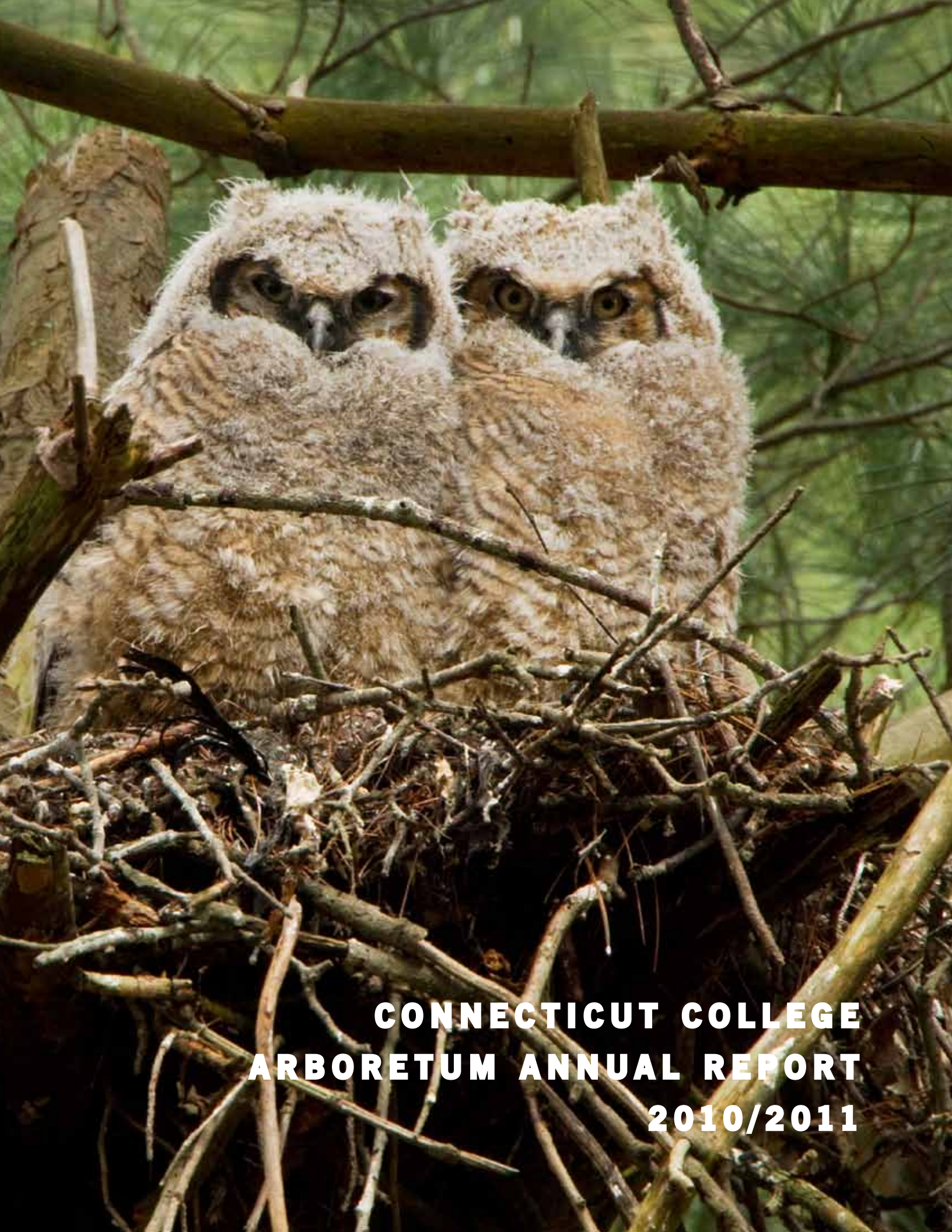
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The views expressed in this paper are solely those of the author.



CONNECTICUT
COLLEGE



**CONNECTICUT COLLEGE
ARBORETUM ANNUAL REPORT
2010/2011**

MISSION

The Connecticut College Arboretum is owned by Connecticut College and operated for the benefit of the College and the community. The Arboretum functions in support of the College's mission by helping to prepare men and women for a lifetime of learning about and interacting with the natural world. The mission of the Connecticut College Arboretum is:

TEACHING

To provide an outdoor laboratory for use by faculty and students in botany, biology, environmental studies and other departments. In both teaching and research, the Arboretum is a unique and valuable academic resource and support facility.

RESEARCH

To support and conduct research in a broad range of subjects, including ecology, field biology, conservation and natural history. Arboretum research emphasizes long-term studies.

CONSERVATION

To provide stewardship of College lands by protecting, sustaining and enhancing biological diversity of large tracts of open space. The Arboretum also provides leadership statewide and beyond in conservation matters.

COLLECTIONS

To maintain, develop and interpret well-documented plant collections for teaching, research, public education and enjoyment.

RECREATION

To provide a place where people from the College and the community may enjoy passive recreation and where they may come to learn, reflect and renew themselves through contact with the natural world. The Arboretum enhances the quality of life both for the constituents of the College and the citizens of southeastern Connecticut.

PUBLIC EDUCATION

To provide programs and publications about conservation, horticulture, gardening, botany and natural history that enhance people's understanding of the natural world and foster an understanding of the Arboretum's mission.

CONNECTICUT COLLEGE

James S. Berrien '74, *Chair, Board of Trustees*
Leo I. Higdon, Jr., *President*
Roger L. Brooks, *Dean of Faculty*

ARBORETUM STAFF

Glenn D. Dreyer MA'83, *Director*
Katherine T. Dame '90, *Assistant Director for Public Programs*
Leigh Knuttel, *Horticulturist*
Charles McIlwain III, *Senior Groundsperson*
Bryan L. Goulet, *Groundsperson*
Mary Villa, *Curator/Information Manager*
Elene Anthopolos, *Staff Assistant*

ASSOCIATES

Robert A. Askins, *Research Associate*
Phillip T. Barnes, *Research Associate*
Beverly A. Chomiak, *Research Associate*
John W. Deering, *Earth Management Consultant*
Pamela G. Hine MA'84, *Research Associate*
Chad C. Jones, *Research Associate*
Manuel Lizarralde, *Research Associate*
Stephen H. Loomis, *Research Associate*
T. Page Owen, *Research Associate*
Douglas M. Thompson, *Research Associate*
R. Scott Warren, *Research Associate*

CAMPUS GROUNDS STAFF

James Luce, *Grounds Supervisor*
Al Benvenuti, *Groundsperson*
Lewis Bowker, *Senior Groundskeeper*
Mike Campagna, *Groundskeeper*
Kraig Clark, *Groundskeeper*
Lynn Manza, *Groundskeeper*
Kevin Marshall, *Groundsperson*
Tom Nazarko, *Groundsperson*
Nicholas Northcutt, *Groundsperson*
Joe Serwinski, *Senior Groundskeeper*
George Yuhas, *Head Mechanic*

from the DIRECTOR

IN A BREAK WITH TRADITION, this year's report covers the 18 months from January 2010 to June 2011, rather than just calendar year 2010. This allows us to align the Arboretum's annual overviews for members and friends with the College's academic calendar that runs from July 1 to June 30. Future reports, which will still be distributed in November, will cover more recent events, rather than some that are almost two year old.

I am pleased to present a summary of another successful year and a half at the Connecticut College Arboretum. From children's programs to adult workshops and tours to conferences on ecological landscaping for homeowners and design professionals, our educational offerings were diverse and well attended. People visited from far and wide to participate in our photography contest, to tour the various collections, or for after-school environmental education walks with Arbo Project Volunteers. And two local Boy Scout troops had Eagle Scout candidates doing trail improvement projects on our land. You'll also find here an impressive list of new plantings that enhance the beauty and educational value of the three major plant collections.

The efforts to support and stimulate college teaching and research use of the Arboretum continued apace, in subjects including geology, archeology, ecology, ornithology, ethnobotany, invasive species and landscape management. All this activity required the full attention of our small staff, supplemented by a large number of hard-working student employees and faithful volunteers.

And as this year's cover photo symbolizes, we have not forgotten the important land stewardship aspect the Arboretum provides for the 750 acres of college property. Wildlife is thriving in our wilder lands as well as the more developed locations.

Many thanks to the members, volunteers, staff, friends and alumni who support our efforts and help make this a unique and wonderful place that benefits all.

Glenn Dreyer MA'83

Charles & Sarah P. Becker '27 Director



DIRECTOR GLENN DREYER WITH A CONTRIBUTION FROM EAGLE SCOUT GREG KRONISCH, WHO BUILT A FOOTBRIDGE AND MARKED TRAILS IN THE ARBORETUM.

APPROXIMATELY 1,030 adults and 300 children participated in our programs during the past year and a half. Arboretum and other College staff members, College faculty members, volunteers from the community as well as professionals from off campus taught the courses. Arboretum education programs were overseen by Assistant Director Kathy Dame and developed with the help of a dedicated volunteer committee.

Some of the more popular children's programs included the "Pumpkin Circle" at Halloween and "Map and Compass Adventures" with Professor Beverly Chomiak, which runs multiple times each year. Other subjects for children's programs were bird nests, volcanoes, dinosaurs, wildflowers, soil, mushrooms, climate and weather. All Arboretum children's programs are presented free of charge.

Adult education touched a wide variety of topics including tree identification, shrub pruning, houseplants, carnivorous plants, ferns, meadows, adult map and compass workshops, wintering water fowl, and the ever-popular holiday wreath making. In November the Arboretum co-sponsored two public events with the biology department and the Society for the Study of Evolution: a lecture by Dr. Gisella Caccone of Yale University on giant Galapagos tortoises and a panel discussion titled "The Practical Value of Understanding Evolutionary Principles."

The eighth annual SALT (Smaller American Lawns Today) conference for homeowners continues to gain in importance and in audience. The topic for November 2010, "Designing Your Home Grounds for Beauty and Sustainability," was exactly what the late Professor Bill Niering had in mind when he created the SALT concept some 20 years ago. This year the conference was sponsored by "Wild Ones," a national organization of native plant gardeners (see Outreach section).

Educational events for professionals in the green industry included two January ecological landscaping conferences, "Environmental Design, Learning from Experience" and "Uncharted Territory, An Expansive Approach to Landscape Design," with about 100 attendees at each event.

JANUARY 2010 to JUNE 2011

ADULT EDUCATION OFFERINGS

Program Type	Number of events
Conference	3
Lecture/Short Course	5
Guided Walk	12
Workshop	10
Plant Sale	3
Photography contest	1
Earth Day	2, many activities

CHILDREN'S EDUCATION OFFERINGS 2010-11

Program Type	Number of events
Workshops	10
Walks	5
Storytelling	1

below left: DENNIS MARTINEZ (LEFT) SPOKE ABOUT TRADITIONAL NATIVE AMERICAN LANDSCAPE PRACTICES AT THE JANUARY ECOLOGICAL DESIGN SYMPOSIUM. HE IS PICTURED WITH PROFESSOR MANUEL LIZARRALDE.

below right: MAGGIE SACKRIDER OF THE BEARDSLEY ZOO INTRODUCES A GREAT HORNED OWL AT THE 2010 MEMBERS AND FRIENDS NIGHT.



public EDUCATION



top: MARY VILLA DEMONSTRATES WREATH MAKING.

middle left: PROFESSOR ANTHONY GRAESCH LEADS A GUIDED WALK TO THE SAMUEL BOLLES FARM SITE.

middle right: KATHY DAME (CENTER) LEADS THE 2010 PUMPKIN CIRCLE CHILDREN'S PROGRAM.

bottom: KINDERGARTENERS FROM NEW LONDON'S REGIONAL MULTICULTURAL MAGNET SCHOOL PLANT A TREE IN THE ARBORETUM.



PHOTOGRAPHY CONTEST

PERHAPS the most popular ongoing public program is the annual photography contest, "Capturing the Beauty of Nature." With categories for children, teens and adults, it encourages people to visit and enjoy the Arboretum and to appreciate the beauty and importance of nature. The photos are exhibited in the Olin Science Center lobby for two weeks each June, and winners are announced at our annual Members and Friends night. Many thanks to the 2010 judges, Lisa Brownell, Kevin DiMinno and Manuel Lizarralde, and the 2011 judges, Nancy Allen, Ingrid Bushwack and Anthony Graesch.

In 2010 there were 122 photographs entered and exhibited and the following winners:

ADULTS

- 1st – Kerri Ann Neville for "Tentacles"
- 2nd – Kerry Henderson for "Spring Flower Summer Color"
- 3rd – Dianne Strycharz for "Bluebird"

TEENS

- 1st – Katherine Brierley for "Birch Tree"
- 2nd – Greta Ingraham for "Miniscule Waterfall"
- 3rd – Jenna Elsesser for "A Rainy Day"

CHILDREN

- 1st – Sydney Downham for "Smiley"
- 2nd – Nathalia DeLaCruz for "Still Moment"
- 3rd – Rachael Trudon for "Splash Rock"

In 2011 there were 79 photographs entered and exhibited and these winners:

ADULTS

- 1st – Kerri Ann Neville for "The Road Less Taken"
- 2nd – Al Crossley for "Getting Ripped"
- 3rd – John Sargent for "Shaggy Bush"

TEENS

- 1st – Anna Thompson for "On the Inside"
- 2nd – Emily Peay for "Reflection"
- 3rd – Shoshanna Phillips for "Pussy Willow"

CHILDREN

- 1st – Cormac Waters for "Reflections"
- 2nd – Samantha Leblond for "Always Looking Up"
- 3rd – Abbie Zadrozny for "Viney Trees"

TOURS

VOLUNTEER docents lead free guided tours of the various Arboretum plant collections on Sunday afternoons from May through October. During 2010, approximately 90 people participated, and more than 100 others enjoyed special group tours. During Summer 2010, volunteers also led tours for 137 children from various summer school programs.

The "Arbo Project" trains Connecticut College students to lead free, environmental education tours for young people in the greater New London community. The goals of the program are to foster environmental awareness, encourage appreciation of the natural world and support classroom learning through outdoor experiences. During Fall 2010, 138 children from five schools and organizations participated, and during the spring 186 children from four schools. Training and scheduling of the volunteer educators is done through the College's Office of Volunteers for Community Service.

PLANT SALES

THE ARBORETUM has continued its tradition of plant sales by offering chrysanthemums and pumpkins in early fall and various gift plants in time for Mother's Day in

May. These events are staffed by Arboretum volunteers and held in front of the College Center at Crozier-Williams.

THEATER IN THE ARBORETUM

DURING July and August 2010, the Flock Theatre presented two plays in the Arboretum Outdoor Theater, "Much Ado About Nothing" and "Dark of the Moon." A total of at least 1,600 people attended. The Arboretum provides the theater, Buck Lodge for storage and dressing space, and portable toilets for public use.

OTHER OUTREACH ACTIVITIES

IN CONJUNCTION with the annual SALT conference in November, the Arboretum hosted the annual membership meeting of "Wild Ones," a national native plant gardening organization. Local Mountain Laurel Chapter members joined the Wild Ones board of directors, which includes the Arboretum's Kathy Dame, for the meeting, conference and a series of guided tours.



OUTREACH



clockwise from top right: KAREN NEVILLE (LEFT) RECEIVED AN HONORABLE MENTION AND HER DAUGHTER KERRI ANN WAS AWARDED FIRST PRIZE IN THE ADULT SECTION OF THE 2011 PHOTOGRAPHY CONTEST; THE NATIONAL BOARD OF DIRECTORS OF WILD ONES HOLD THEIR ANNUAL MEETING IN SHAIN LIBRARY IN NOVEMBER 2010 DURING THE SALT CONFERENCE; JIM LUCE (CENTER) LEADS A WALK THROUGH THE CAMPUS LANDSCAPE FOR CONNECTICUT MASTER GARDENERS; 2010 PHOTOGRAPHY CONTEST JUDGES KEVIN DIMINNO, MANUEL LIZARRALDE AND LISA BROWNELL, LEFT TO RIGHT, HARD AT WORK.

opposite page: VOLUNTEER DICK CONWAY AT THE 2010 MUM & PUMPKIN SALE IN FRONT THE COLLEGE CENTER.



GLENN DREYER AND Mellon post-doctoral fellow Wei Ying Wong continued an invasive species survey project sponsored by the Arboretum and the Goodwin-Niering Center for the Environment. During Fall 2010, a 10-page survey was mailed to 1,000 randomly selected residents of New Milford, Conn., with questions about people's understanding of invasive species facts and issues. Two other populations were surveyed last year, and data analysis was ongoing.

New Assistant Professor of Anthropology Anthony Graesch began using the Samuel Bolles Farm site for his Historical Anthropology course and has expressed interest in using this and other parts of the Arboretum in his research program. Graesch and Dreyer led a very well-attended public walk of the Bolles Farm site this spring. Last fall Dreyer gained possession of two boxes of the late Richard Goodwin's Arboretum land files, which had been missing since Dr. Goodwin's death. These will be added to the growing archive of land history information.

Two undergraduates worked with Assistant Professor of Botany Chad Jones to map the distribution of oriental bittersweet in the Bolleswood Natural Area and to assess the factors impacting the distribution of the species. They found that the single biggest factor is distance to the nearest adult plant of the species. Jones has also been using data from the long-term permanent plots in the Bolleswood to test current methods for modeling the potential distributions of invasive species.

Dreyer, Jones and Nels Barrett '78 of the USDA Natural Resources Conservation Service continued documenting the meadow restoration project in the open fields along the east end of Benham Avenue. Detailed presence and abundance data was collected for the second time in Summer 2010, and a manuscript on this project was submitted to a professional journal.

Andrew Margenot '10 conducted an independent study, "Characterization of a Loess Aquic Halporthod in Southeastern Connecticut," with Professor of Geology Doug Thompson, in which he analyzed a soil pit in the Arboretum. Senior Lecturer Beverly Chomiak spent two semesters working with Will Brown '11 investigating brittle structures in rock outcroppings at Mamacoke Island and other sites in southeastern Connecticut. Mike Marshall '11 wrote an honors thesis, "An Analysis of Wind Resources and the Feasibility of Wind-Energy Generation on the Connecticut College Campus," supervised by Thompson. Marshall visited many parts of the Arboretum and used wind data collected from the two data towers on the main campus.

Dreyer and Jones have been working with the New England Plant Conservation Program to monitor endangered plants. Two occurrences of rare species are located within the Arboretum, a bullrush in the Mamacoke area and a milkweed along an electric transmission right of way. The plants are visited and evaluated annually and some management is performed to reduce competition as needed.

As president of the Connecticut Botanical Society, Dreyer convened a committee to develop a new checklist of all native and naturalized plants growing outside of cultivation in Connecticut. The last such list was published in 1979, and the Arboretum is a cosponsor of this research project, along with the Botanical Society. Jones has been a very active participant in the work.

The Arboretum is also a cosponsor of the Connecticut's Notable Trees Project, which documents both the largest trees in the state and those related to historic persons, places or events. The project website (<http://notabletrees.conncoll.edu>) is hosted by the College and contains information on approximately 3,000 trees.

During Spring 2010 Shannon Kearney-Smith of the Connecticut DEP Wildlife Division monitored chimney swift nesting on campus, hosted by Professor of Biology Robert Askins. Populations of these birds are in dramatic decline, and biologists are tracking them around the state.

Many college courses, particularly in the natural sciences, use the Arboretum on a regular basis. Classes that regularly use the Arboretum continued to do so in 2010-11 were:

Ant 390 – Historical Anthropology

Bio 103 – Introduction to Evolution

Bio 105 – Organisms

Bio 204 – Ornithology

Bio 207 – Ecology

Bio 215 – Invertebrate Zoology

Bio 224 – Animal Behavior

Bot 115 – Introduction to Botany

Bot 117 – Introduction to Ethnobotany

Bio 413 – Estuarine Ecology

Bot 225 – Systematic Botany and the Local Flora

Bot 315 – Ecology of Terrestrial and Wetland Plant Communities

ES 115 – Introduction to Physical Geology

ES 314 – Earth Surface Processes and Landforms

ES 210 – Hydrology

ES 259 – Mining and the Environment

ES 312 – Introduction to Vector-based GIS

ES 313 – Introduction to Raster-based GIS



TEACHING *and* RESEARCH



clockwise from top left: STUDENTS IN PROFESSOR ANTHONY GRAESCH'S HISTORICAL ANTHROPOLOGY COURSE USE SURVEYING TECHNIQUES TO DOCUMENT THE SAMUEL BOLLES FARMHOUSE SITE; THE SAMUEL BOLLES FARMHOUSE WAS PICTURED IN A LOCAL NEWSPAPER AFTER IT BURNED TO THE GROUND IN JUNE 1943; SENIOR LECTURER BEVERLY CHOMIAK SUPERVISED STUDENT RESEARCH ON THE GEOLOGY OF MAMACOCKE ISLAND.

opposite page from top: PROFESSOR CHAD JONES IDENTIFIES A GRASS IN THE MEADOW RESTORATION AREA; ECOLOGICAL AND SOCIAL SCIENCE RESEARCH WAS CONDUCTED WITH INVASIVE SPECIES SUCH AS ASIATIC BITTERSWEET VINE (*CELASTRUS ORBICULATUS*) DURING THE PAST YEAR AND A HALF; A SMALL POPULATION OF THE RARE PURPLE MILKWEED (*ASCLEPIAS PURPURESCENS*) WAS MONITORED AND MAINTAINED.



The Arboretum is responsible for managing approximately 600 acres surrounding the main campus as well as operating the College greenhouse. The Caroline Black Garden (4 acres) and the Native Plant Collection (30 acres) receive the most staff attention. The Arboretum staff does not maintain the Campus Landscape Collection, but is directly involved in helping to select new plantings, plan new garden spaces, and curating and interpreting this collection. Horticulturist Leigh Knuttel and her staff spend considerable time each year growing, collecting and maintaining plants for botany and biology classes. Arboretum Curator and Information Manager Mary Villa is responsible for the record keeping, mapping and labeling of all of our plant collections. A Collections Committee consisting of Villa, Knuttel, Dreyer and Physical Plant Grounds Supervisor Jim Luce meets during the year to discuss mostly campus landscape issues and opportunities, including proposed new plantings and gardens as well as necessary plant removals.

NATIVE PLANT COLLECTION AND OUTER LANDS

The Rose Family collection, located directly to the left (south) of the main entrance, is a very visible location in the Arboretum, and one that has needed updating for quite a while. Thanks to Linda Abel Foseen '69, a second season of renovations was made possible. More than 45 plants were added and planning for a gazebo was begun.

During Summer 2010 the newly built red cedar arbors located on either side of the outdoor theater stage were planted with the Arboretum's first-ever native vine collection. Multiple individuals of six different types of vines had begun to reach the overhead beams by this June.

The native plant collection is full of boulders, both above and below the soil surface, and periodically a few rocks are removed from paths, roads and collection areas to ease maintenance and travel. This year a contractor with a large hydraulic, rock hammer-equipped excavator spent two days making big rocks into small ones, and our grounds staff spent many days hauling them away and filling in the holes with soil. This resulted in two large areas that will be easier to landscape and mow.

Villa and her student assistants began the two-year inventory process in the 30-acre Native Plant Collection. The process includes verifying each plant's name, evaluating its condition, and measuring and mapping it. Data is housed in a special-purpose software program called BG-Base, and maps are being converted to ARC-GIS with the help of Beverly Chomiak.

Two Boy Scouts from Waterford completed their Eagle projects on Arboretum trails during 2010. Jordan Scott led a team that cleared, cleaned and marked the extensive trail system north of Gallows Lane. Gregory Kronisch and his team marked the trails north of Benham Avenue, built a wooden footbridge over an intermittent stream, and installed a weatherproof trail map. Greg gave \$283 of leftover funds he had raised via donations for his project to the Arboretum. Both young men received their Eagle Award, scouting's highest achievement, this spring.

In 2008, the Arboretum received a three-year, \$76,000 reimbursement grant from the USDA Natural Resources Conservation Service Wildlife Habitat Incentive Program to assist in clearing fields and controlling invasive plants in the Bolles Farm project area. During the past year additional herbicide control of invasives and annual mowing of fields took place, and some funds were used to purchase a tractor-mounted sprayer.

CAMPUS

One Arboretum function in relation to the main campus (approximately 125 acres) is to help minimize construction damage to existing landscapes and specimens. This has been a busy year of planning, with New London Hall renovations being designed in a very compressed timeframe for construction, starting in June 2011. In preparation, Arboretum "Hort Helper" volunteers transplanted/rescued many plants from the perennial gardens surrounding the greenhouse, which is also part of the New London Hall renovation. Roadway constructions and reconstruction at the southeast and northwest areas of campus will also affect many trees.

A grant from the Sun Hill Foundation via the Goodwin-Niering Center funded the installation this May of the College's first "green roof." A 10x20 area atop the bar in the College Center at Crozier-Williams was planted using LiveRoof-brand modules grown by Prides Corner Farms in Lebanon, Conn. Composed of seven different species of sedum plants in a 4-inch-deep engineered growing mix, the small installation serves as an educational and demonstration project. It was designed Brendan Kempf '10, who also helped install it.

Beginning this year, Arboretum landscape staff took over grounds maintenance at the former DNA EpiCenter at 33 Gallows Lane.

CAROLINE BLACK GARDEN

A multi-year effort to renovate the water-feature area at the back of the garden in a Japanese style, in memory of late Arboretum Horticulturist Jeff Smith, continued. Rhododendrons, Japanese maples and iris, and other plants were installed in May. A gateway will be constructed at the entry of this part of the garden when work concludes. Curator Mary Villa compiled an updated checklist of the plants in the garden.

NEW PLANTINGS

Native Plant Collection

- **Acer x Freemanii* 'Jeffersred'. Autumn Blaze Maple
- **Aristolochia macrophylla*. Dutchman's Pipe
- **Campsis radicans* f. *flava*. Yellow-flowered Trumpet Vine
- **Clematis virginiana*. Virgin's Bower
- **Lonicera sempervirens* 'Cedar Lane'. Cedar Lane Trumpet Honeysuckle
- **Lonicera sempervirens* 'John Clayton'. John Clayton Trumpet Honeysuckle
- **Lonicera sempervirens* 'Magnifica'. Magnifica Trumpet Honeysuckle
- **Prunus pumila* var. *depressa*. Creeping Sand Cherry
- **Rubus odoratus*. Flowering Raspberry
- **Taxus canadensis*. American Yew
- Amelanchier canadensis*. Shadbush
- Crataegus phaenopyrum*. Washington Hawthorn
- Fagus grandifolia*. American Beech
- Rosa virginiana*. Virginia Rose

plant COLLECTION



top: CONTRACTORS WITH A TREE SPADE MOVE AN AMUR MAACKIA (*MAACKIA AMURENSE*) TO THE JEAN TEMPEL TEACHING PLAZA WEST OF NEW LONDON HALL IN NOVEMBER 2010.

middle: SURFACE ROCKS WERE BROKEN UP AND REMOVED IN TWO AREAS OF THE NATIVE PLANT COLLECTION.



bottom: ARBORS IN THE OUTDOOR THEATER UNDER SNOW IN FEBRUARY 2010 WERE SOON HOME TO A NEW NATIVE VINE COLLECTION.

Campus Landscape

**Betula papyrifera* 'Renaissance Reflection'. Renaissance Reflection Birch
**Kerria japonica* 'Golden Guinea'. Golden Guinea Japanese Rose
**Lagerstroemia indica* 'Sioux'. Sioux Crapemyrtle
**Magnolia* 'Ricki'. Ricki Magnolia
**Rhododendron* 'Hellikki'. Hellikki Rhododendron
**Rhododendron* 'Yaku Prince'. Yaku Prince Rhododendron
**Spiraea japonica* 'Neon Flash'. Neon Flash Spirea
Fothergilla major 'Mount Airy'. Mount Airy Fothergilla
Hydrangea quercifolia 'Snow Queen'. Snow Queen Oakleaf
Ilex x aquipernyi 'San Jose'. San Jose Holly
Juniperus chinensis 'Sargentii Viridis'. Green Sargent Juniper
Juniperus virginiana 'Grey Owl'. Grey Owl Red Cedar
Maackia amurensis. Amur Maackia
Rhododendron 'Delaware Valley White'. Delaware Valley White Rhododendron
Spiraea japonica 'Anthony Waterer'. Anthony Waterer Spirea
Taxus baccata 'Repandens'. Spreading English Yew
Tilia cordata 'Greenspire'. Greenspire Littleleaf Linden

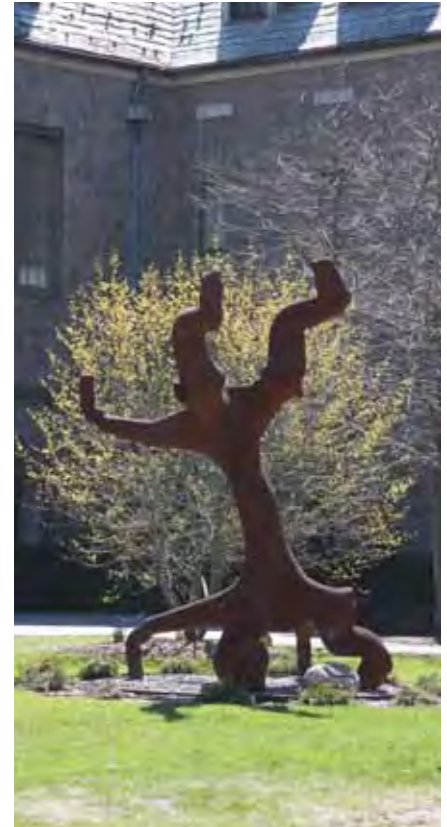
Caroline Black Garden

Acer palmatum. Japanese Maple
Arctostaphylos uva-ursi. Bearberry
Astilbe 'Sprite'. Sprite Astilbe
**Azalea* 'Kaempo'. Kaempo Azalea
Dryopteris marginalis. Marginal Shield Fern
**Erica carnea* 'Pirbright Rose'. Pirbright Rose Heath
**Erica carnea* 'Springwood White'. Springwood White Heath
Erica carnea 'Winter Beauty'. Winter Beauty Heath
Erica carnea mixed color
Iris siberica 'Baby Sister'. Baby Sister Siberian Iris
Liriope muscari 'Big Blue'. Big Blue Lilyturf
Myosotis 'Victoria Light Blue'. Victoria Light Blue Forget Me Not
Pennisetum alopecuroides 'Piglet'. Piglet Fountain Grass
Polystichum acrostichoides. Christmas Fern
**Rhododendron* 'Jane Grant'. Jane Grant Rhododendron
 *new taxa in the collection

PLANT COLLECTION ACCESSIONS

As of May 2011, Arboretum plant collections contained 5,633 individual living woody plants that have been accessioned, mapped and entered into our database. They are distributed throughout the major collections as follows:

	TREES	SHRUBS & VINES	TOTALS
Native Plant Collection	1,029	1,198	2,227
The Campus Landscape	1,416	1,442	2,858
Caroline Black Garden	160	388	548
Total Specimens	2,605	3,028	5,633



THE SCULPTURE PUTTO 4 OVER 4 BY MICHAEL REES JOINED THE CAMPUS LANDSCAPE NORTH OF BLAUSTEIN HUMANITIES CENTER IN 2010.



top: LEIGH KNUTTEL (RIGHT) AND BRENDAN KEMPF '10 INSTALL A MODULAR GREEN ROOF SYSTEM ON THE ROOF OF THE BAR AT THE COLLEGE CENTER IN MAY 2011.

bottom left: THIS BRIDGE BUILT AS PART OF GREGORY KRONISCH'S EAGLE SCOUT PROJECT TRAVERSES AN INTERMITTENT STREAM ALONG THE JOGGING TRIAL NORTH OF BENHAM AVENUE.

bottom right: REDESIGN OF THE WATER FEATURE AREA IN THE CAROLINE BLACK GARDEN WAS NEARLY COMPLETE BY JUNE 2011.

STAFF

Charles (Chip) McIlwain resigned his position of senior groundskeeper in mid-June. Chip was an excellent employee with the Arboretum for 13 years and his professionalism and attention to safety will be missed.

Continuing members of the Arboretum staff this year were Glenn Dreyer, Charles & Sarah P. Becker '27 Director; Kathy Dame, assistant director for public programs; Mary Villa, curator and information manager (part time); Leigh Knuttel, horticulturist; Bryan Goulet, groundskeeper; and Ellen Anthopolos, department assistant (part time).

Esther Bemis Goodwin of East Had-dam, wife of the late Richard Hale Goodwin, died April 1, 2010, in her 100th year. Esther was Arboretum Director Emeritus Dick Goodwin's lifelong companion in all things, and will be remembered fondly by his students and by friends of the Arboretum.

STUDENT WORKERS

Student workers are a vital supplement to our small staff. Most students assist in our landscape maintenance and greenhouse care operations. Student assistants also work with Mary Villa on curatorial tasks and website revisions and provide some office support. The following students were employed by the Arboretum from January 2010 to May 2011:

Michael Antoinetti '10
Steven Burnham '12
Nels Christensen '14
Charles Cochran '10
Ariella Cohen '10
Caroline Corbett '13
Paige Cowie '12
Nevena Deligineva '13
Abigail Derick '11
Alex Ellison '10
Isabel Garcia '13
Benjamin Hopkins '13
Duncheng Jiang '14
Erik Karwatowski '12
Anne Kearney '12
Emil Lalov '14
Robert Landry '13
Jeffrey Lee '11
Zhibang Liu '14
Benjamin Loomis '11

Philip Mara '14
Matthew Murdock '13
Xuefeng Peng '10
Eleanor Schmitt '12
Joanna Smith '12
Kenneth Torsey '10
Olha Townsend '13
Max Weigert '13
Richard Worsman '12
Arielle Wortzel '14
Harry Yates '13
Qimeng Zhao '13
Boryana Zhelyazkova '10

VOLUNTEERS

Assistant Director Kathy Dame heads the Arboretum program to train and utilize volunteers from the community to provide regular, free, public tours; support events like plant sales and conferences; assist and lead educational programs; and help with horticultural maintenance. This year the Arboretum welcomed 41 adult volunteers, of whom nine were new recruits.

The Arboretum's "Hort Helpers" volunteer program was reestablished under the supervision of volunteer Allen Gauthier. This is an opportunity for our more hardy volunteers to weed and otherwise assist in garden maintenance. The first project this April was transplanting perennials around the greenhouse.

Last winter Arboretum Curator Mary Villa updated the campus trees information notebook that docents use to study and prepare for guided campus landscape tours.

Many thanks to our 2010-11 volunteers:

Nancy Allen
Susan Andrie
David Arnold
Platt Arnold '64
Bob Askins
Robert Brouwer
Lisa Brownell
Tracy Burrell
Ingrid Bushwack
Claire Calabretta
Laurie Chapman
Beverly Chomiak
Dick Conway
John Cox
Kevin DiMinno
Dave Denson

Kim Donahue
Caroline Driscoll '84
Joan Flynn
Allen Gauthier
Anthony Graesch
Kenneth Graham
Ashley Hanson '82
Trish Helm
Jacque Jones
Mary Kallio
Anne-Marie Lizarralde '91 MA'97
Manuel Lizarralde
Jim Luce
Peter Moore
Sandra Morse
Susan Munger
Robert Sherman
Liz Smith
Janis Solomon
Olivia Tavares
Sally Taylor
Ohla Townsend
Kathryn Williams
Pamela Wright
Michael Wuenschner

MEMBERS

Patrons

Foseen, Linda Abel
Morton, Joanne McKean
Sylvan Nursery
Urban Forestry Organization
Van Sloun Foundation
Van Sloun, Neil and Sylvia

Sponsors

American Rhododendron Society
Arkava, Harold
Badenhausen, Dorothea Susan
Bradford, Sara and Derek
Davis, Martha G.
Dearborn, Deborah
Dreyer, Glenn and Wendy
Dutcher, Craig C.
Harlow, Margaret H.
Johnson, Michael D.
Kashanski, John
Kronisch, Anne and Louis
Leonard, Wardwell and Viola
Lynch, Susan E.
Moulton, David
Parnall, Ruth, and Walker, Donald L.
Porter, Marcia W.
Reynolds, Elizabeth F.
Robinson, James T.
Rotch, Susan
Sargent, Thomas A.

PEOPLE



left: ARBORETUM SUMMER 2010 WORKERS, FROM LEFT: ANNE KEARNEY '12, ELEANOR SCHMITT '12 AND ISABEL GARCIA '13

below: HORT HELPERS LED BY ALLAN GAUTHIER (CENTER) TRANS-PLANT PERENNIALS FROM AROUND THE COLLEGE GREENHOUSE IN MAY 2011, BEFORE NEW LONDON HALL RENOVATION CONSTRUCTION WORK COMMENCED.





Tredinnick, Frank
Winslow, Katherine D.

Families, Individuals and Organizations

Allen, Renee Mercaldo
Allik, Judith
Anderson, Dexter
Anderson, Joellen
Arnold, David and Platt
Askins, Robert
Augustiny, Mary E.
Babbitt, Eleanor C.
Bailey, Amey Schenck
Barberan, Jorge
Barnes, Phillip
Becker, Margaret W.
Blair, Diana
Booth, Carol A.
Bowen, Leila K.
Bradley, Gloria
Branford Garden Club Inc.
Brensilver, Howard
Brierley, Katherine
Britchi, Alina
Brouwer, Roberta
Brown, Lauren
Calabretta, Claire
Carr, Vonice
Chasse, Kaitlyn

Cheo, Peter
Ching, Stanton S.
Clark, Joseph
Cone, Brandi
Copp, Belton and Eugenie
Cowen, James
Cox, John and Katha
Coyne, Jeanne H.
Crescimanni, Sarah J.
Crosby, Phyllis
Crossley, Alan M.
Davies, Judith and Thomas
Davis, Anne B.
DeLaura, L. Joyce
Doubleday, Susan
Doyen, Joann
Doyle, Pauline M.
Driscoll, Caroline K.
Duck River Garden Club of Old Lyme
Dutko, Holly
Eastwood, Marylin
Elsesser, Jenna
Enders, Anthony and Elizabeth
Essex Garden Club Inc.
Fecher, Maryanne
Fly, Kolette D.
Flynn, Ken and Joan
Gauthier, Allen R.
Gerke, Jessica and Bill
Glastonbury Garden Club

Graham, Kenneth and Nadine
Guzek, Donald and Patricia
Hafner, Prescott W.
Hammen, Kari B.
Hamsher, Gail
Hayes, Christie M.
Henderson, Adelaide
Henderson, Kerry
Hernandez, Robert W.
Hine, Thomas L.
Hirata, Robert M.
Hodge, Joann
Holland, Janice
Homeier, Jean Gries
Howell-Heller, Penelope
Ingraham, Gretta
Inguanti, Joseph
Isbister, Anne H.
Jaynes, Richard and Sarah
Jerbort, Jean
Johnson, Kathleen
Jones, Jacqueline F.
Jones, Shelley
Joseph, Patricia A.
Kane, Sean P.
Kaplan, Stanley
Kelley, Marilyn A.
Kelly, Shannon
Kozlowski, Sandra
Kraynak, Susan L.

Krohn, Karen, and Pendergast, John
 Kronick, Joan and Albert
 Krusen, Gordon
 Lacafta, Nick
 Lambert, Kristin and Brian
 LaPorte, Margaret A.
 Legg, Bonnie
 Leinbach, Jill L.
 Lindberg, Amanda A.
 Lindberg, Susan
 Longwood Gardens Library
 Loynes, John and Constance
 MacNeil, M. Christina
 Manning, Gloria C.
 Matt, Barry J.
 McCabe, Maureen, and Andersen, Jeffrey
 McGuire, James and Ellen
 Miceli, Robert J.
 Middletown Garden Club
 Miele-Paquette, Paula
 Monacella, Carol
 Monahan, Abraham
 Mondello, Elizabeth
 Moore, Christina
 Moore, Peter
 Morse, Sandra
 Munger, Susan H.
 Myers, Sally and Bob
 Mystic Garden Club
 Nalwalk, Anne H.
 Neville, Karen
 Neville, Kerri Ann
 Newington Garden Club
 Niccolai, Melissa S.
 Nickerson, Judith W.

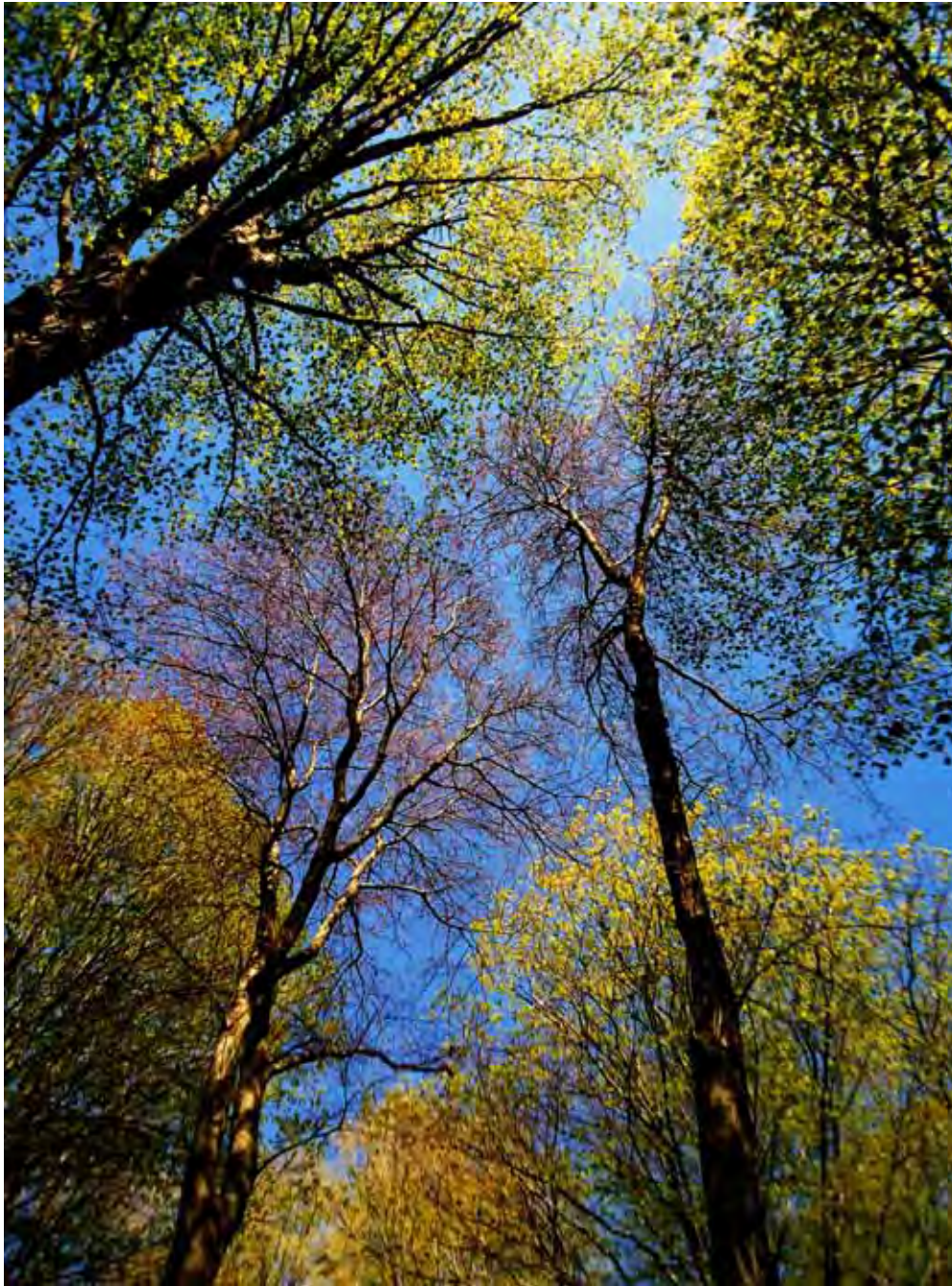
North Stonington Garden Club
 North, Kevin and Valerie
 Nortz, Rebecca A.
 Ogilvie, Catherine
 Otto, Elizabeth Ann
 Page, Kathleen K.
 Pan, Lydia C.
 Parslow, Victoria
 Patterson, Robert
 Payson, Herta
 Peay, Emily
 Penniman, Chris
 Perks, Michael and Sandra
 Peterson, Kathleen
 Phillips, Shoshanna
 Pierce, Joan W.
 Pinson, Betty A.
 Post, Rebecca
 Reeve, Helen
 Regan, Helen B.
 Resnikoff, Henry, and Nielsen, Daphne
 Ricci, Richard C., and Walker, Fawn
 Richards, Susan G.
 Rinek, Marilyn M.
 Roberts, Laurie
 Rubacha, Frances Ashley
 Sargent, John and Linda
 Sayres, Starr E.
 Schlesinger, Gabriella
 Sherman, Robert and Enid
 Shilstone, Marian Ruth
 Smith, Raymond and Charlotte
 Solomon, Janis
 Spencer, Mariea D.
 Staubach, Cris

Stonington Garden Club
 Strycharz, Dianne
 Stutts, Susanne M.
 Suffield Garden Club
 Sullivan, Beth
 Talbot, Catherine
 Taylor, Sally
 Thames River Garden Club
 Theodore, Joshua
 Thompson, Anna
 Tillman, Wanda E.
 Trillium Garden Club
 Tuttle, Hazel F.
 Tyson, Margaret M.
 Van Dine, Cassie and Pieter
 Vine, Craig O.
 Walsh, Louise S.
 Webb, Candace
 West Hartford Garden Club
 Westport Garden Club
 Wilkins, Marilyn M.
 Willauer, George
 Williams, Barbara P.
 Williams, Kathryn
 Wolcin, Noelle
 Wolf, Edward
 Wolfskehl, Karen
 Woody, J. Melvin
 Wu, Perry

below: ARBORETUM STAFF IN SUMMER 2010, FROM
 LEFT: L. KNUTTTEL, C. MCILWAIN, K. DAME, B. GOULET,
 E. ANTHOPOLOS, M. VILLA, G. DREYER

opposite page: VOLUNTEERS AND STAFF AT THE FALL
 2010 POTLUCK DINNER





PHOTOGRAPH BY ANNA THOMPSON